

FIG.2

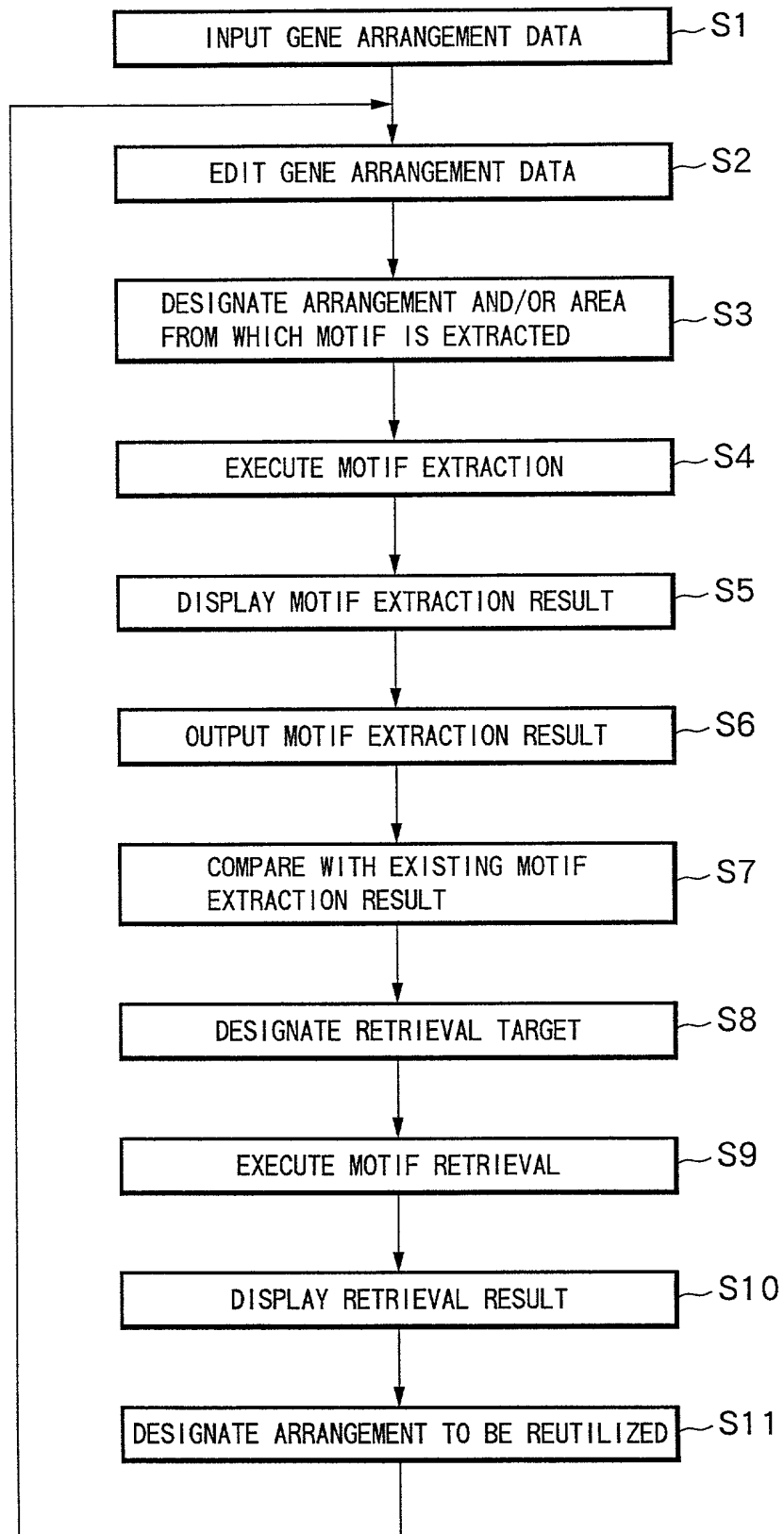
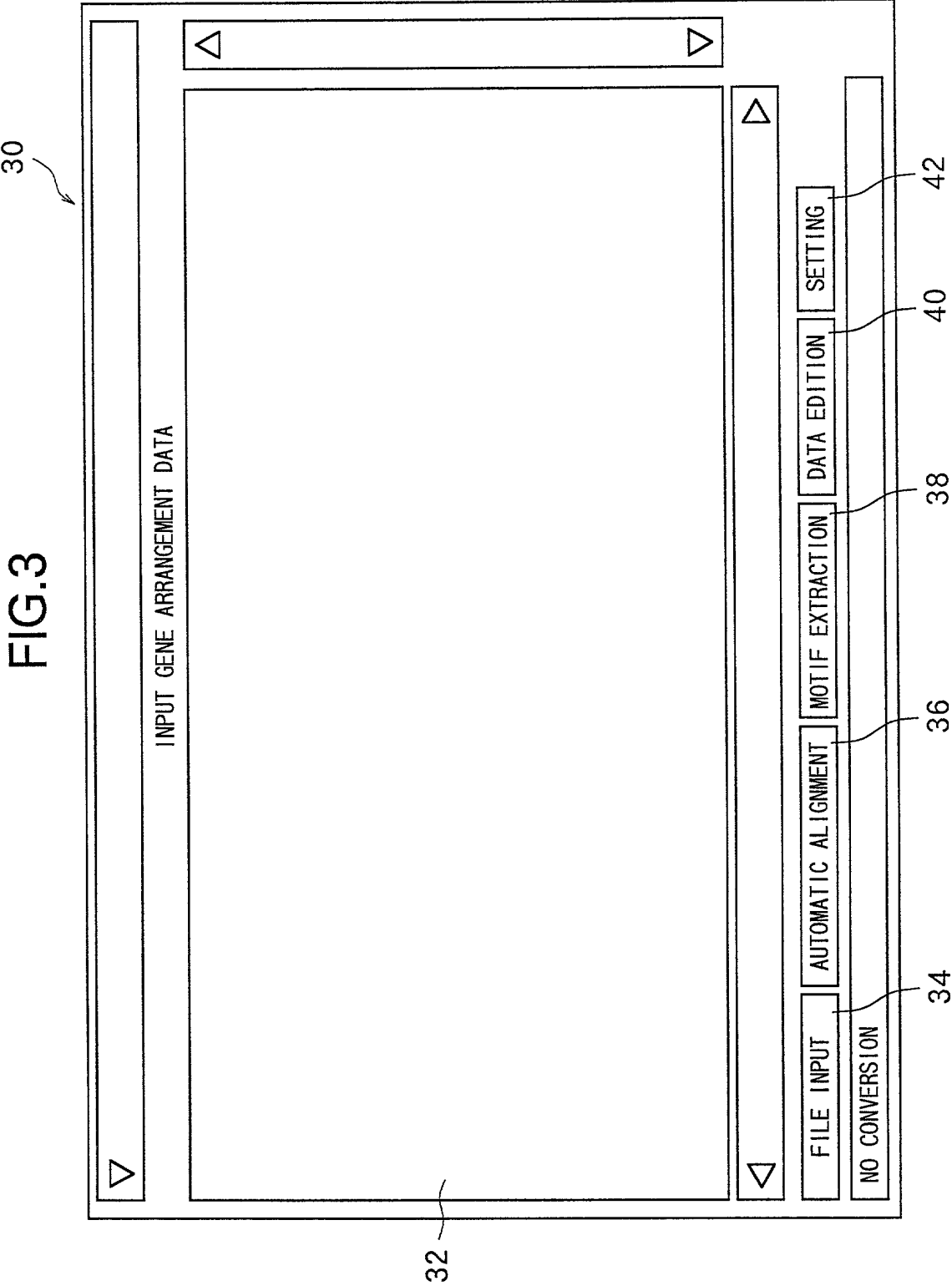


FIG.3



30



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FIG.5

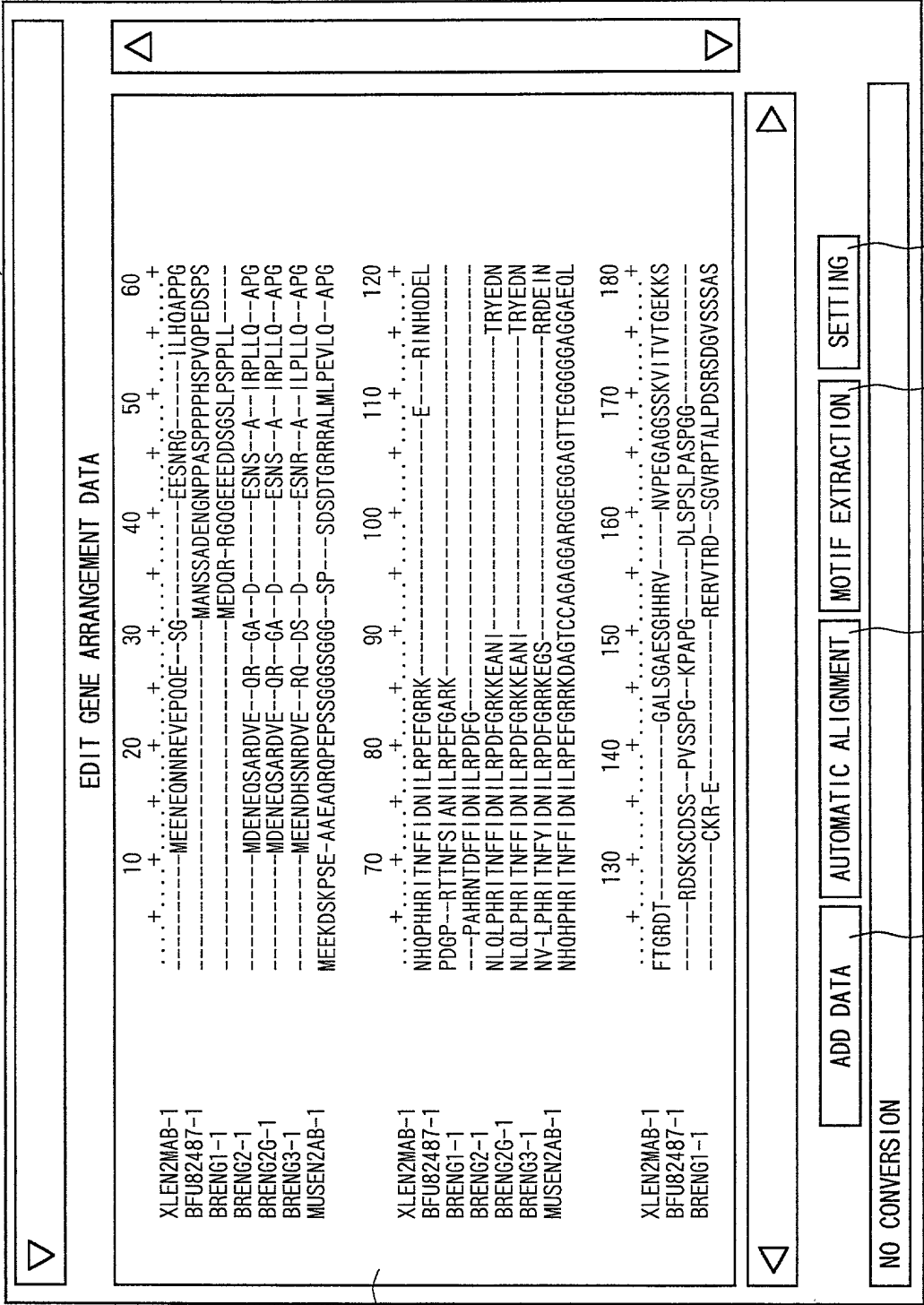


FIG.6

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▽

EDIT GENE ARRANGEMENT DATA

△

XLEN2MAB-1	10	20	30	40	50	60
BFU82487-1	MEENEONREVEP0QE	SG	MANSSADENGNNPPASPPPHSPVQPEDSPS	EEENRG	ILHOAPPG	
BRENG1-1			MEDQR	RG0GEEEDSGSLPSPPLL		
BRENG2-1	MDENEQSARDVE	QR	GA	D	ESNS	A--IRPLLO--APG
BRENG2G-1	MDENEQSARDVE	QR	GA	D	ESNR	A--IRPLLO--APG
BRENG3-1	MEENDHSNRDVE	RQ	DS	D	ESNR	A--ILPILLO--APG
MUSENZAB-1	MEEKDCKPSE	AAEAQROPEPSSGGGGGG	SP	SDSDTGRRRALMLPEVLQ		
	10	20	30	40	50	60
	.....+	.....+	.....+	.....+	.....+	.....+
XLEN2MAB-1	NHOPHRI	TNFF	DNILRPEFGRRK		E	RINHODEL
BFU82487-1	PDGP	--RTTNFESIANILRPEFGARK				
BRENG1-1			PAHRNTDFF	DNILRPDFG		
BRENG2-1	NLQLPHRI	TNFF	DNILRPDFGRKKEANI			TRYEDN
BRENG2G-1	NLQLPHRI	TNFF	DNILRPDFGRKKEANI			TRYEDN
BRENG3-1	NV-LPHRI	TNFI	DNILRPDFGRKKEGS			RRDEIN
MUSENZAB-1	NHQLPHRI	TNFF	DNILRPEFGRRKDAGTCCAGAGGARGGEGGAGTTEGGGGGAGGAEQL			
	10	20	30	40	50	60
	.....+	.....+	.....+	.....+	.....+	.....+
XLEN2MAB-1	FTGRDT		GALSGAESGHRV		NVPEGAGGSSKVITVTGEKKS	
BFU82487-1			RDSKSCDSS--PVSSPG--KPAPG		DLSPSLPASPGG	
BRENG1-1			CKR-E		RERVTRD	SGVRPTALPDSRSDGVSSSAS

△

ADD DATA

AUTOMATIC ALIGNMENT

MOTIF EXTRACTION

SETTING

NO CONVERSION

58

FIG. 7

EDIT GENE ARRANGEMENT DATA

XLEN2MAB-1  
BFU82487-1  
BRENG1-1  
BRENG2-1  
BRENG2G-1  
BRENG3-1  
MUSEN2AB-1

102030405060

MEENEQNREVEPQOE--SG--EESNRG--ILHQAPPG  
MANSSADENGPPASPPPHSPVQPEDSPS  
MEDQR--RGGEEEDDSGLPSPILL--  
MDENEQSARDVE--QR--GA--D--ESNR--A--IRPLLQ--APG  
MDENEQSARDVE--QR--GA--D--ESNR--A--IRPLLQ--APG  
MEENDHSNRDVE--RQ--DS--D--ESNR--A--IRPLLQ--APG  
MEEKDSKPSE--AAEAQRQPEPSSGGGGGG--SP--SDSDTGRRRALMLPEVLQ--APG

XLEN2MAB-1  
BFU82487-1  
BRENG1-1  
BRENG2-1  
BRENG2G-1  
BRENG3-1  
MUSEN2AB-1

102030405060

NHQPHRITNFFIDNLRPEFGRRK--  
PDGP--RTTNFSIANILRPEFGARK--  
PAHRNTDFIDNLRPDFG--  
NLQLPHRITNFFIDNLRPDFGRKKEANI--TRYEDN  
NLQLPHRITNFFIDNLRPDFGRKKEANI--TRYEDN  
NV-LPHRITNFIIDNLRPDFGRRKEGS--RRDEIN  
NHQPHRITNFFIDNLRPEFGRRKDAGTCCAGAGGARGGGGAGTTEGGGGGAGGAEQL

XLEN2MAB-1  
BFU82487-1  
BRENG1-1

102030405060

FTGRDT--  
RDSKSCDSS--PVSSPG--KPAPG--DLSPSLPASPG--  
CKR-E--  
RVTRD--SGVRPTALPDSRSDGVSSAS

ADD DATA

AUTOMATIC ALIGNMENT

MOTIF EXTRACTION

SETTING

NO CONVERSION

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02

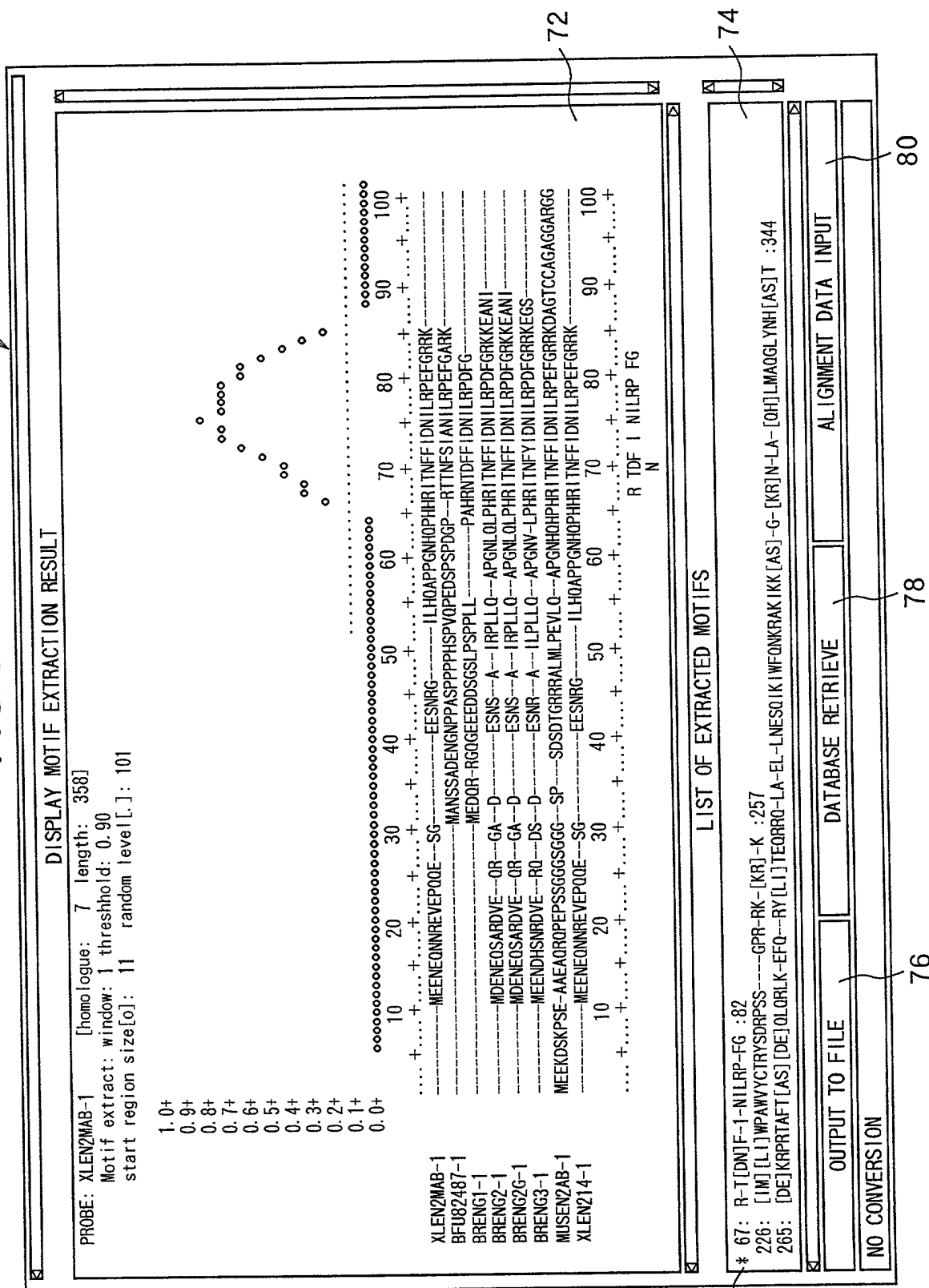


FIG.10

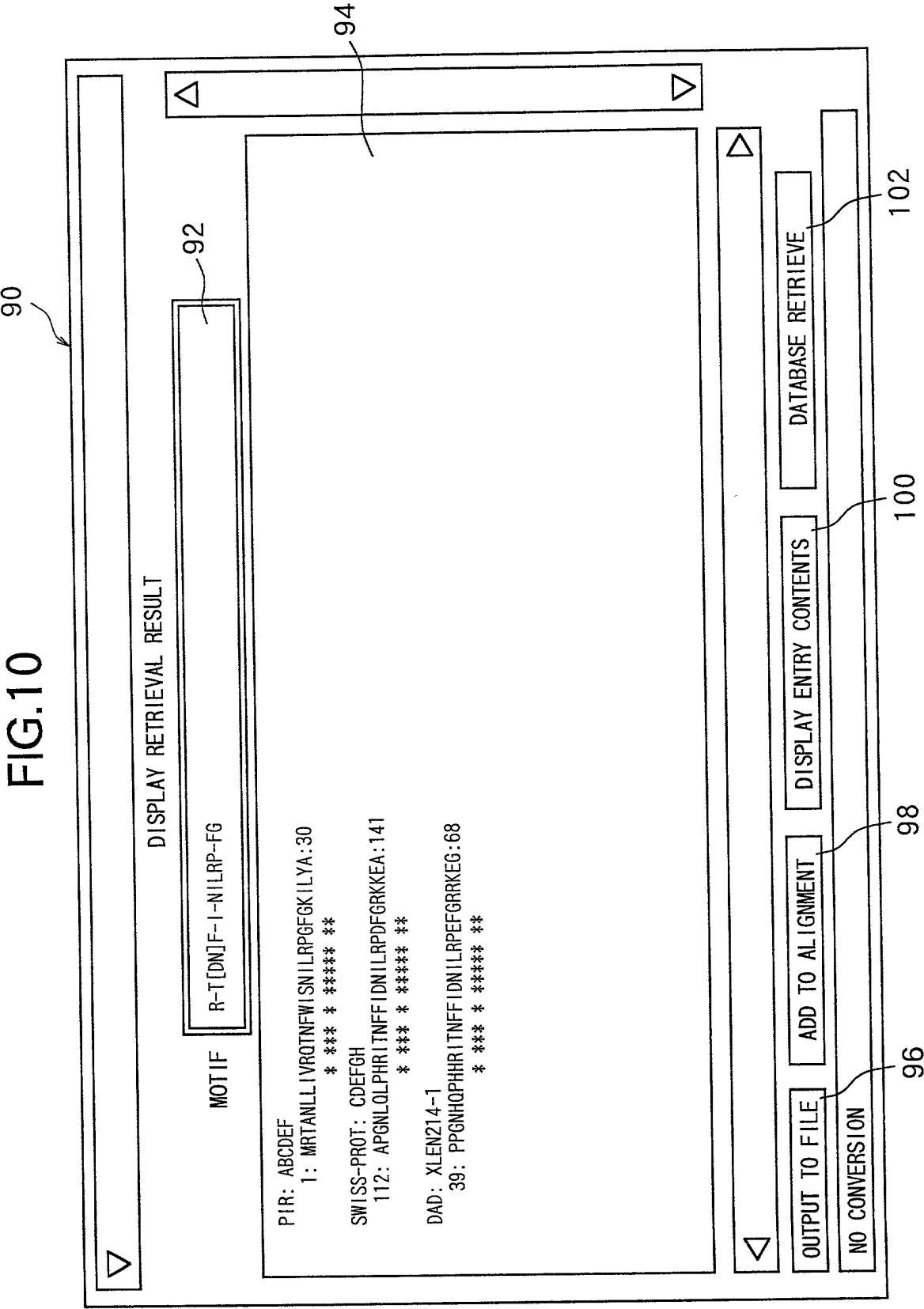


FIG.11

▽

DISPLAY RETRIEVAL RESULT

▽

MOTIF

R-T[DN]F-I-NILRP-FG

PIR: ABCDEF  
1: MRTANLLIVROTNFWISNLLRPGFGKILYA:30  
\* \*\*\* \* \*\*\*\*\* \*\*  
SWISS-PROT: CDEFGH  
112: APGNLQLPHRITNFFIDNLLRPDGFGRKKEA:141  
\* \*\*\* \* \*\*\*\*\* \*\*  
X DAD: XLEN214-1  
39: PPGNHQPHHRI TNFFIDNLLRPEFGRKEG:68  
\* \*\*\* \* \*\*\*\*\* \*\*

▽

OUTPUT TO FILE

ADD TO ALIGNMENT

DISPLAY ENTRY CONTENTS

DATABASE RETRIEVE

NO CONVERSION

98

05

